

**RECEIVED  
CENTRAL FAX CENTER**

DEC 07 2005

**MOTOROLA****FAX TRANSMITTAL SHEET**

Motorola, Inc.  
Intellectual Property Section  
Law Department  
101 Tournament Drive  
Horsham, PA 19044

Telephone: 215-323-1840  
Facsimile: 215-323-1300



Number of Pages (including this page)

Date: December 7, 2005  
To: Examiner: Wang, Leming  
Art Unit: 2638  
Location: United States Patent and Trademark Office  
Fax No.: 571-273-8300  
From: Attorney: Lawrence T. Cullen Reg. No. 44,489  
Subject: Serial No. 10/774,308 Filed: 2/06/2004 Docket No. D03051

---

**NOTICE:** This facsimile transmission may contain information that is confidential, privileged, or exempt from disclosure under applicable law. It is intended only for the person to whom it is addressed. Unauthorized use, disclosure, copying or distribution may expose you to legal liability. If you have received this transmission in error, please immediately notify us by telephone (collect) to arrange for return of the documents received and any copies made. Thank you.

---

**MESSAGE:**

Enclosed herewith, please find Revocation of Power of Attorney and Appointment of New Power of Attorney and Statement Under 37 CFR 3.37(b) for filing in the above-identified case.

**PLEASE GIVE THESE PAPERS TO:**

EXAMINER:	Wang, Leming
GROUP ART UNIT:	2638
ATTORNEY DOCKET NO.:	D03051

DEC 07 2005

<b>REVOCATION OF POWER OF ATTORNEY AND APPOINTMENT OF NEW POWER OF ATTORNEY</b>	Application Number	10/774,308
	Filing Date	02/06/2004
	First Named Inventor	Amarildo J.C. Vieira
	Art Unit	2638
	Examiner Name	Wang, Leming
	Attorney Docket Number	D03051

I hereby revoke all previous powers of attorney given in the above-identified application:

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners at Customer Number : 000043471☒ Please change the correspondence address for the above-identified application to:☒ The address associated with Customer Number: 000043471


OR

☐ Firm or Individual Name Motorola, Inc.Address 101 Tournament Drive

Address \_\_\_\_\_

City HorshamState PAZip 19044Country United States of AmericaTelephone 215-323-1907Fax 215-323-1300

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.*Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)***SIGNATURE of Applicant or Assignee of Record**Name Robert P. Marley, Assistant Secretary General Instrument CorporationSignature Date December 7, 2005

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \* Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

DEC 07 2005

**STATEMENT UNDER 37 CFR 3.73 (b)**

Applicant/Patent Owner: Amarildo J.C. Vieira  
 Application No./Patent No.: 10/774,308 Filed/Issue Date: 2/06/2004  
 Entitled: All Optical Wavelength Converter Circuit  
General Instrument, a Corporation  
Corporation  
 (Name of Assignee) (Type of Assignee e.g., corporation, partnership, university, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
 2. ☐ an assignee of less than the entire right, title and interest.  
 The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

In the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:
1. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_ or for which a copy thereof is attached.
  2. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_ or for which a copy thereof is attached.
  3. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_ or for which a copy thereof is attached.
- ☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.  
 [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

December 7, 2005

Date

Robert P. Marley

Typed or printed name



Signature

Assistant Secretary

Title

**Express Mail Label No. EV163884186US**

Attorney Docket No. 10622-43US  
JOINT

### ASSIGNMENT

WHEREAS, we, Amarildo J.C. Vieira, Mani Ramachandran and Arthur Paoella, with respective post office addresses and citizenships of:

1. 490 East Abington Avenue  
Philadelphia, Pennsylvania 19118  
Citizen of Brazil;
2. 2451 Pacific Rim Lane  
San Jose, California 95121  
Citizen of Republic of India; and
3. 2112 Buckingham Drive  
Jamison, Pennsylvania 18929  
Citizen of the United States of America,

hereinafter generally referred to as "ASSIGNORS," have invented a certain new and useful

### ALL-OPTICAL WAVELENGTH CONVERTER CIRCUIT

for which we have executed a United States patent application, Application No. \_\_\_\_\_, filed \_\_\_\_\_, 2003, and

ASSIGNORS authorize ASSIGNEE or ASSIGNEE's representative to insert the Application Number and Filing date of this application if they are unknown at the time of execution of this Assignment.

WHEREAS, General Instrument Corporation, a Delaware corporation having a place of business at 101 Tournament Drive, Horsham, Pennsylvania 19044, hereinafter generally referred to as "ASSIGNEE", is desirous of acquiring said invention and said patent application.

NOW, THEREFORE, in consideration of the sum of One Dollar and other good and valuable executed consideration, the full receipt and sufficiency of all of which are hereby acknowledged and intending to be legally bound hereby, we, the undersigned ASSIGNORS, hereby agree to sell, assign, transfer and convey and by these presents do sell, assign, transfer and convey unto the above-named ASSIGNEE, the whole and entire right, title and interest

in and to said invention as described in the above patent application, for the territory of the United States and its possessions and territories and all foreign countries;

in and to the above patent application and any and all related United States and foreign patent applications disclosing said invention, including provisionals, non-provisionals,

243435 v1

divisions and continuations thereof, along with all rights of priority created by said patent application under any treaty relating thereto; and

in and to all United States and foreign patents which may be granted on any and all of said patent applications, including extensions, reissues and reexamination certificates thereof;

said invention, application(s) and patent(s) to be held and enjoyed by the above-named ASSIGNEE, for ASSIGNEE's own use and benefit, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms for which said patent(s) may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the patent(s) hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNORS.

<u>09/18/2003</u>	<u>Amarildo J.C. Vieira</u>
(Date)	Amarildo J.C. Vieira
<u>                    </u>	<u>Mani Ramachandran</u>
(Date)	Mani Ramachandran
<u>                    </u>	<u>Arthur Paoella</u>
(Date)	Arthur Paoella

COMMONWEALTH OF Pennsylvania :  
COUNTY OF Montgomery : ss.  
:

Before me, a notary public in and for the Commonwealth and County aforesaid, on this 16 day of September, 2003, personally appeared Amarildo J.C. Vieira, who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

Carol J. Smith  
Notary Public

My Commission Expires:

Notarial Seal  
Carol J. Smith, Notary Public  
Horsesham Twp., Montgomery County  
My Commission Expires June 22, 2006  
Member, Pennsylvania Association Of Notaries

divisions and continuations thereof, along with all rights of priority created by said patent application under any treaty relating thereto; and

in and to all United States and foreign patents which may be granted on any and all of said patent applications, including extensions, reissues and reexamination certificates thereof;

said invention, application(s) and patent(s) to be held and enjoyed by the above-named ASSIGNEE, for ASSIGNEE's own use and benefit, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms for which said patent(s) may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the patent(s) hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNORS.

(Date)	Amarildo J.C. Vieira
9 <sup>th</sup> June 2004	<i>Mani Ramachandran</i>
(Date)	Mani Ramachandran
(Date)	Arthur Paoella

Witness for Mani Ramachandran:


<i>Matthew G. Aquilar</i>	6/9/04
Printed Name	Date

<i>Matthew G. Aquilar</i>	6/9/04
Signature	Date

divisions and continuations thereof, along with all rights of priority created by said patent application under any treaty relating thereto; and

in and to all United States and foreign patents which may be granted on any and all of said patent applications, including extensions, reissues and reexamination certificates thereof;

said invention, application(s) and patent(s) to be held and enjoyed by the above-named ASSIGNEE, for ASSIGNEE's own use and benefit, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms for which said patent(s) may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the patent(s) hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNORS.

_____ (Date)	_____ <b>Amarildo J.C. Vieira</b>
_____ (Date)	_____ <b>Mani Ramachandran</b>
<u>1/14/04</u> (Date)	<u></u> <b>Arthur Paoletta</b>

COMMONWEALTH OF \_\_\_\_\_ :

: ss.

COUNTY OF \_\_\_\_\_ :

Before me, a notary public in and for the Commonwealth and County aforesaid, on this \_\_\_\_ day of \_\_\_\_\_, 2003, personally appeared **Amarildo J.C. Vieira**, who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

\_\_\_\_\_  
Notary Public

My Commission Expires:

Attorney Docket No. 10622-43US

**DECLARATION AND POWER OF ATTORNEY**  
(Original Application)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**ALL-OPTICAL WAVELENGTH CONVERTER CIRCUIT**

the specification of which is attached hereto and/or was filed on \_\_\_\_\_ as  
Application No. \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

**FOREIGN PRIORITY APPLICATION(S)**

None		Priority Claimed
_____	_____	[ ] Yes [ ] No
(Number)	(Country)	(Day/month/year filed)

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional patent application(s) listed below and have also identified below any United States provisional patent application(s) having a filing date before that of the application on which priority is claimed:



**PROVISIONAL PRIORITY PATENT APPLICATION(S)**

None  
(Application No.) (Filing Date)

Priority Claimed  
☐ Yes ☐ No

And I hereby appoint the registered attorneys and agents associated with **AKIN GUMP STRAUSS HAUER & FELD LLP**, Customer No. 000570, as my attorneys or agents with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Address all correspondence to Customer No. 000570, namely, **AKIN GUMP STRAUSS HAUER & FELD LLP**, One Commerce Square, 2005 Market Street, Suite 2200, Philadelphia, Pennsylvania 19103-7013. Please direct all communications and telephone calls to **Clark A. Jablon, Esquire** at 215-965-1293.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of first or  
sole inventor

Amarildo J.C. Vieira

Inventor's Signature

*Amarildo J.C. Vieira*

Date

*09/18/2003*

Residence

Philadelphia, Pennsylvania

Citizenship

Brazil

Post Office Address

490 East Abington Avenue, Philadelphia, Pennsylvania 19118

Full name of second  
joint inventor

Mani Ramachandran

Inventor's Signature

Mani Ramachandran

Date

9<sup>th</sup> June, 2004

Residence

San Jose, California

Citizenship

Republic of India

Post Office Address

2451 Pacific Rim Lane, San Jose, California 95121

Full name of third  
joint inventor

Arthur Paoella

Inventor's Signature

Date

Residence

Jamison, Pennsylvania

Citizenship

United States of America

Post Office Address

2112 Buckingham Drive, Jamison, Pennsylvania 18929

Full name of second  
joint inventor

Mani Ramachandran

Inventor's Signature

Date

Residence

San Jose, California

Citizenship

Republic of India

Post Office Address

2451 Pacific Rim Lane, San Jose, California 95121

Full name of third  
joint inventor

Arthur Paolella

Inventor's Signature

Date

1/11/04

Residence

Jamison, Pennsylvania

Citizenship

United States of America

Post Office Address

2112 Buckingham Drive, Jamison, Pennsylvania 18929